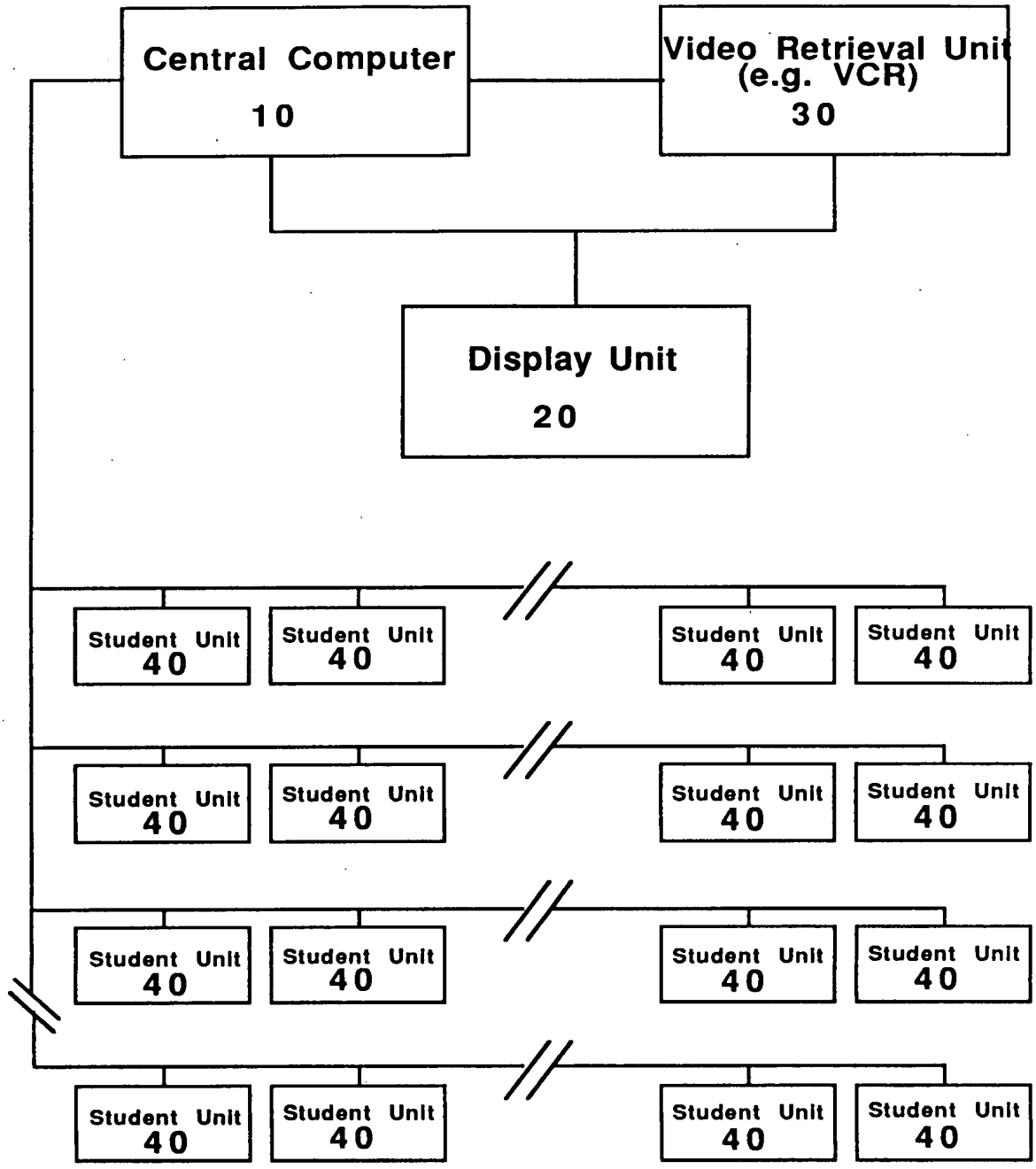


Figure 1. Block Diagram According to one Embodiment

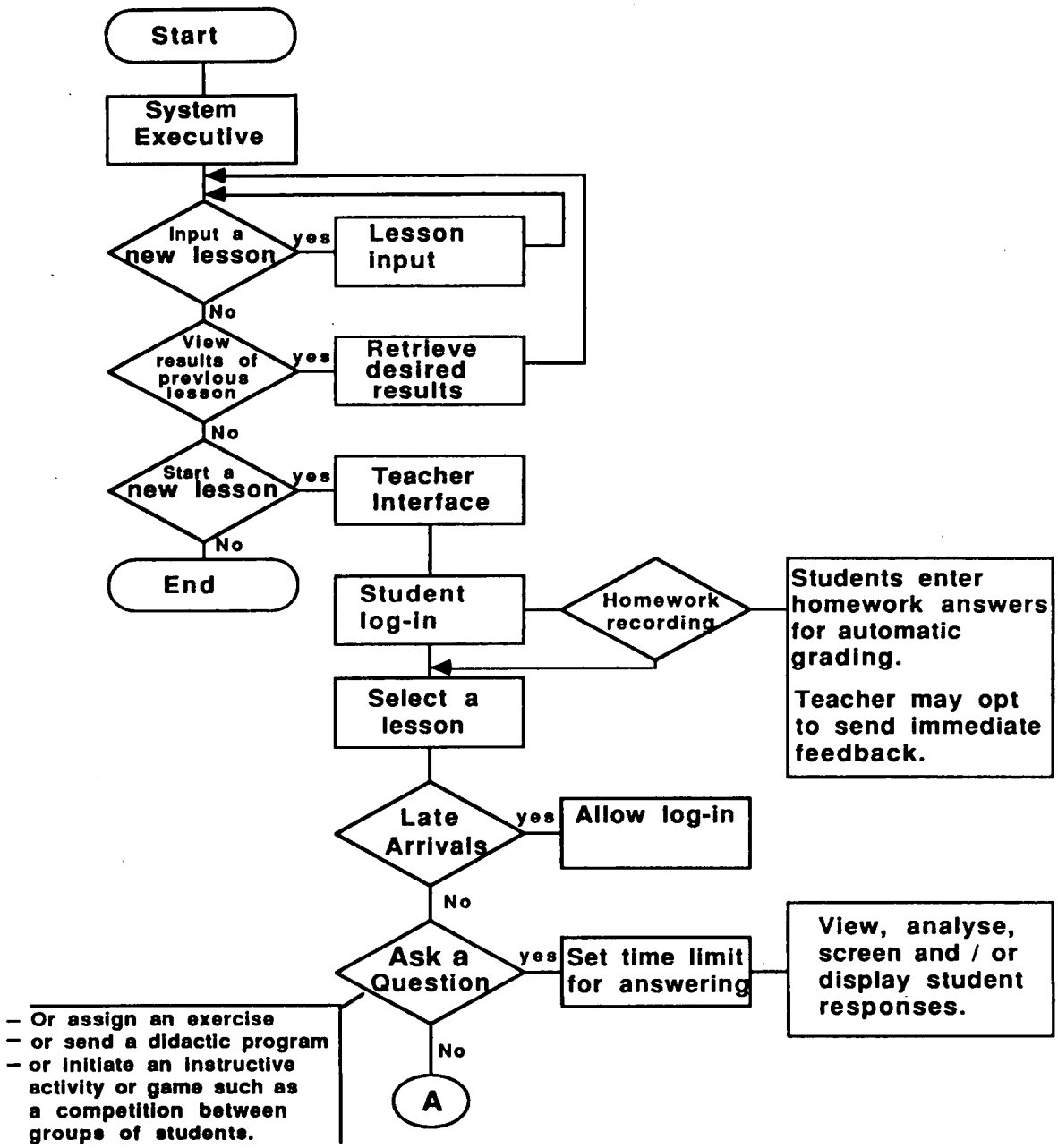

Start
System Executive
Input a new lesson
yes
Lesson input
No
View results of previous lesson
yes
Retrieve desired results
No
Start a new lesson
yes
Teacher Interface
No
End
Student log-in
Homework recording
Students enter homework answers for automatic grading.
Teacher may opt to send immediate feedback.
Select a lesson
Late Arrivals
yes
Allow log-in
No
Ask a Question
yes
Set time limit for answering
View, analyse, screen and / or display student responses.
No
A
– Or assign an exercise
– or send a didactic program
– or initiate an instructive activity or game such as a competition between groups of students.

Figure 2A

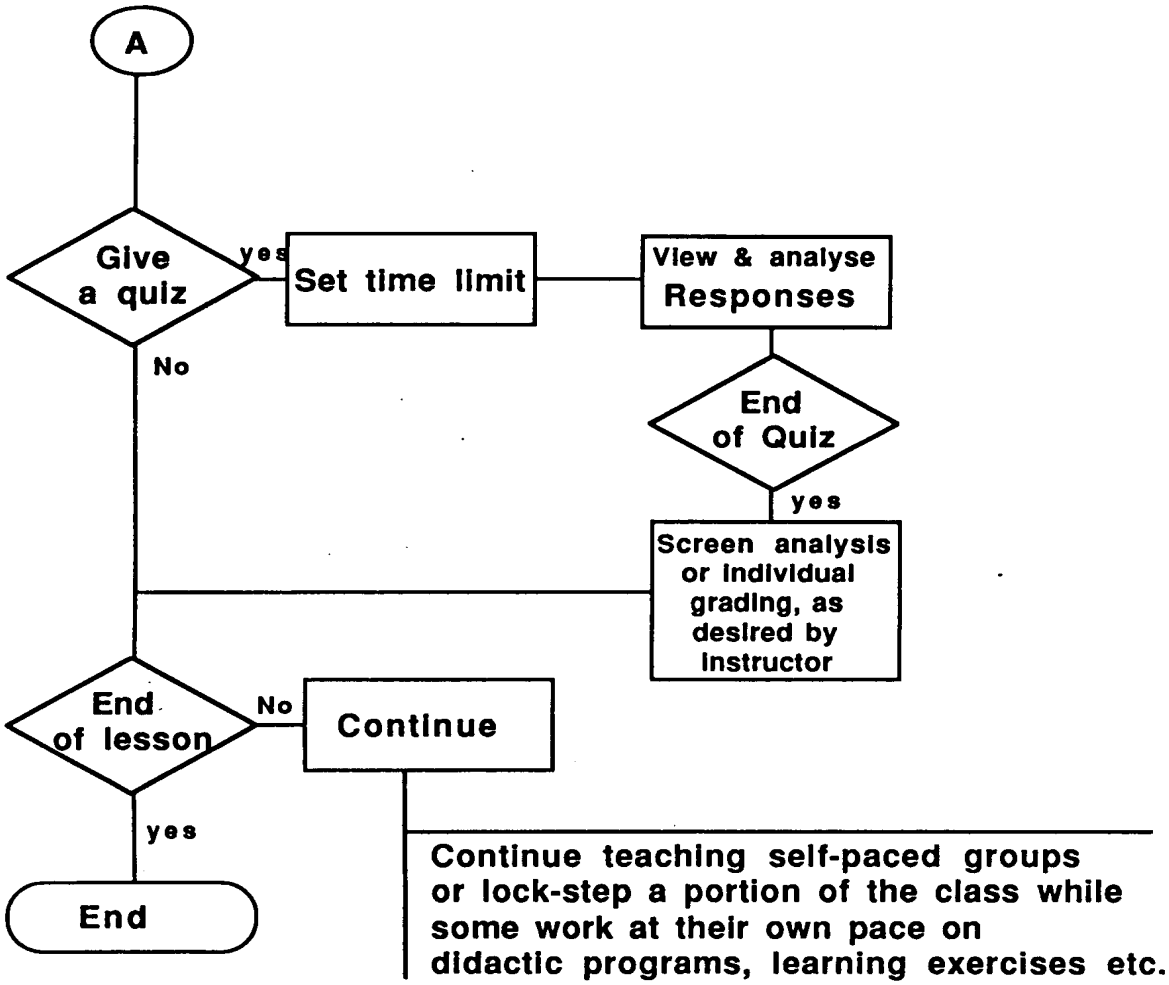


Figure 2A (cont'd)

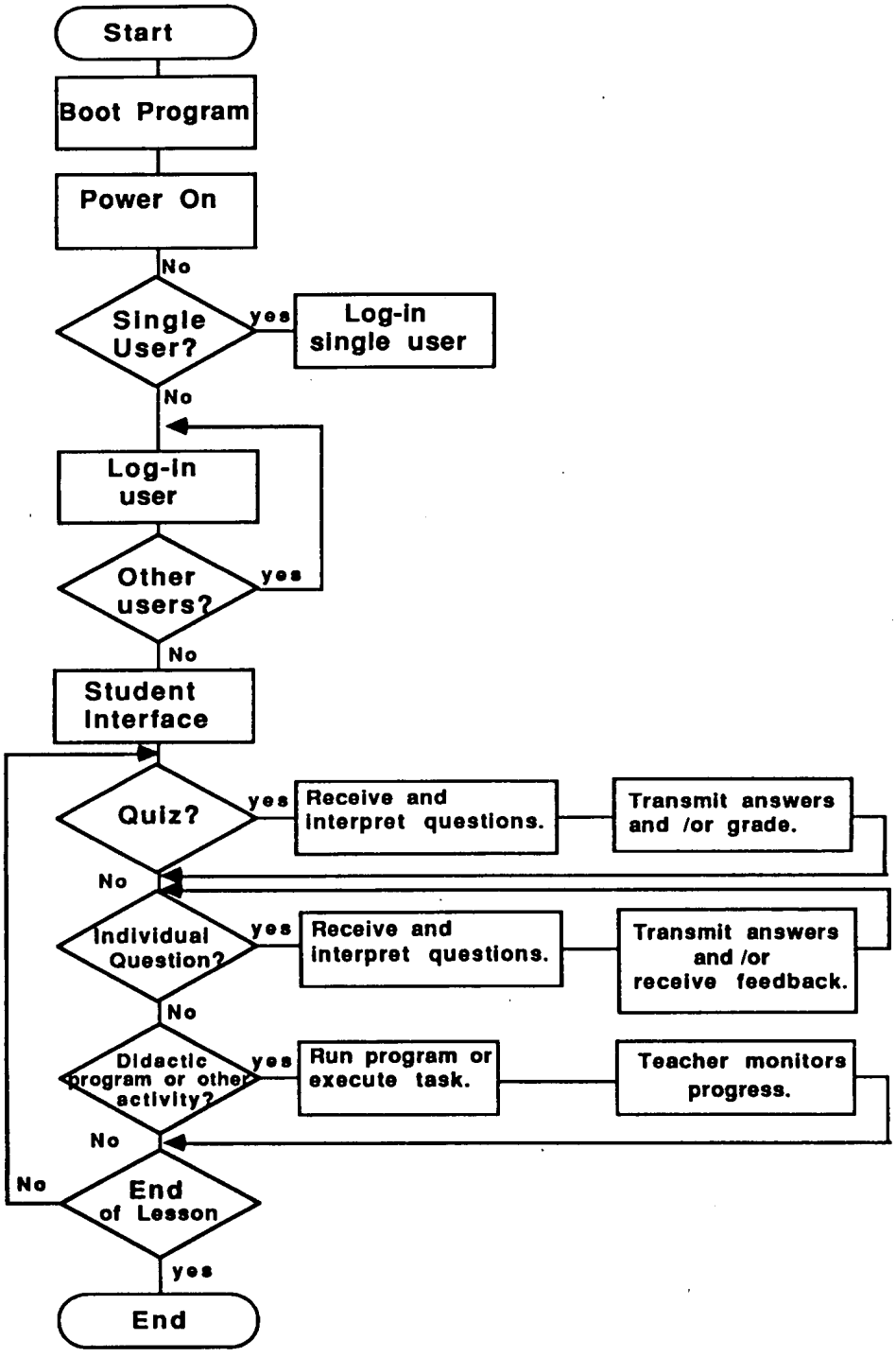

Start
Boot Program
Power On
No
Single User?
yes
Log-in single user
No
Log-in user
Other users?
yes
No
Student Interface
Quiz?
yes
Receive and interpret questions.
Transmit answers and /or grade.
No
Individual Question?
yes
Receive and interpret questions.
Transmit answers and /or receive feedback.
No
Didactic program or other activity?
yes
Run program or execute task.
Teacher monitors progress.
No
No
End of Lesson
yes
End

Figure 2B

Flow Chart

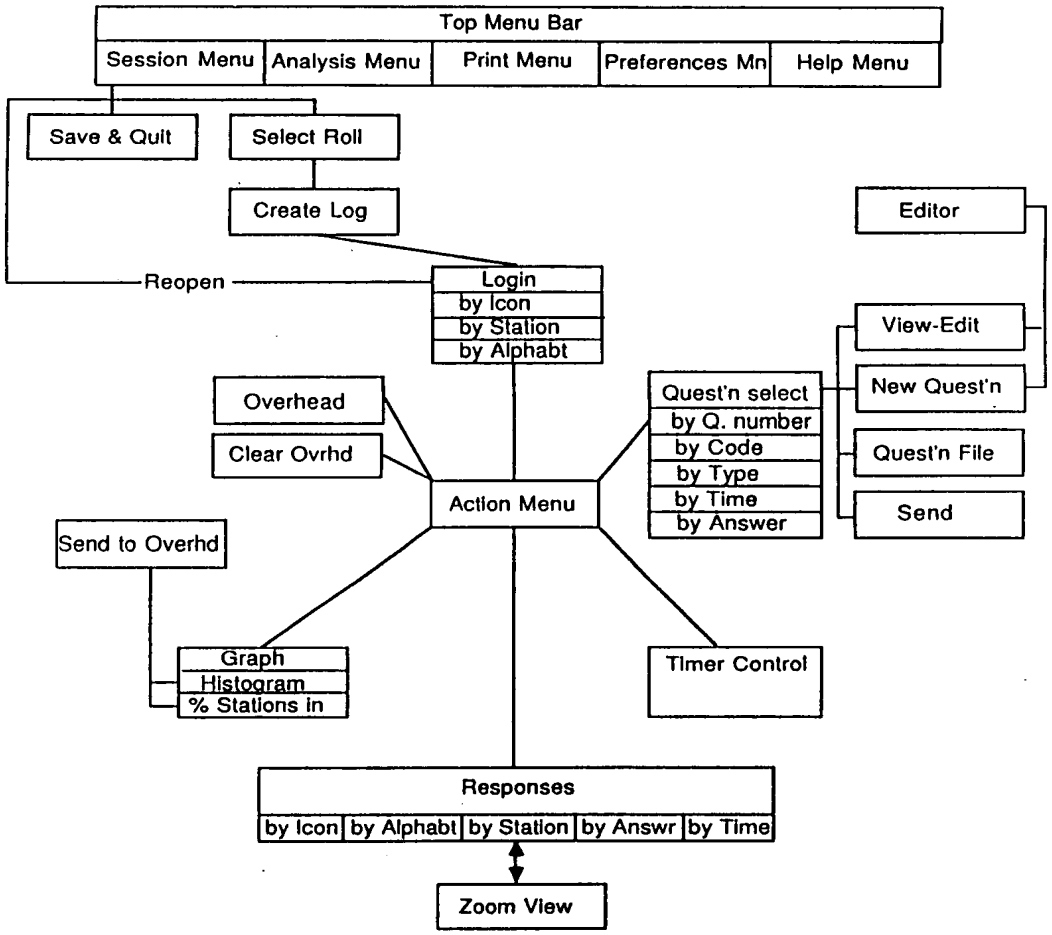


Figure 3A

Example of Session Flows

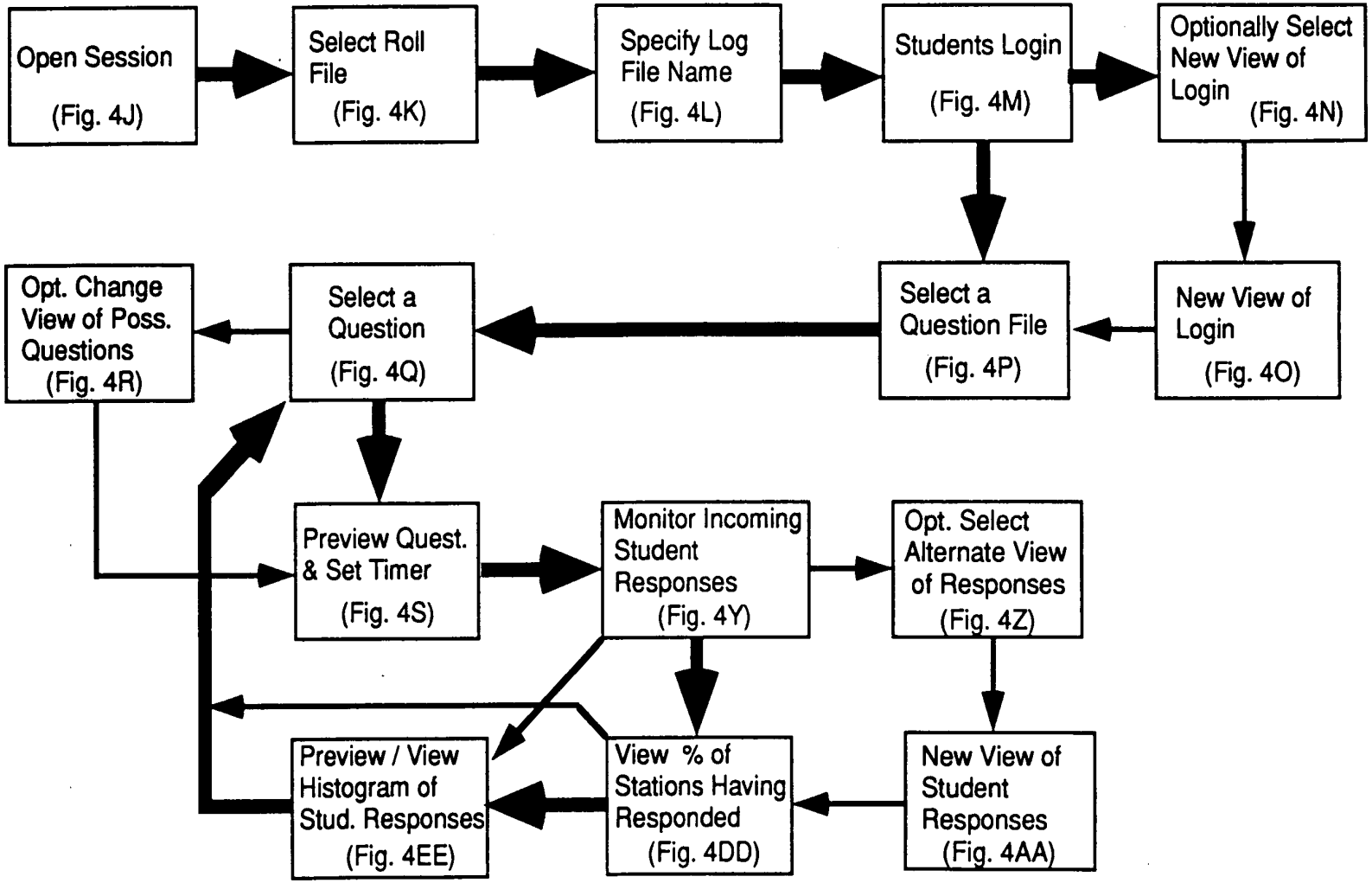


Fig. 3B

fig. 4A

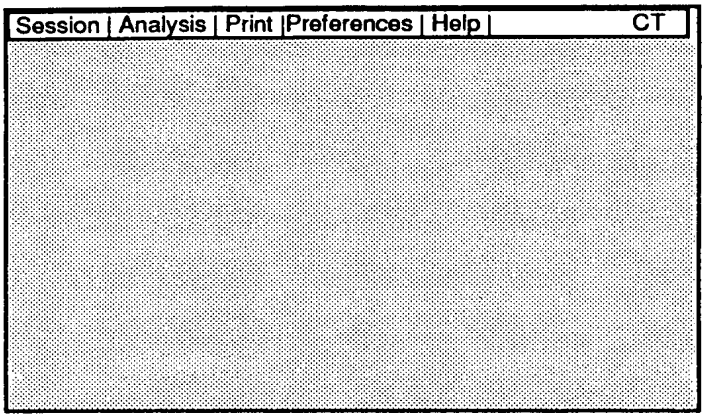


fig. 4B

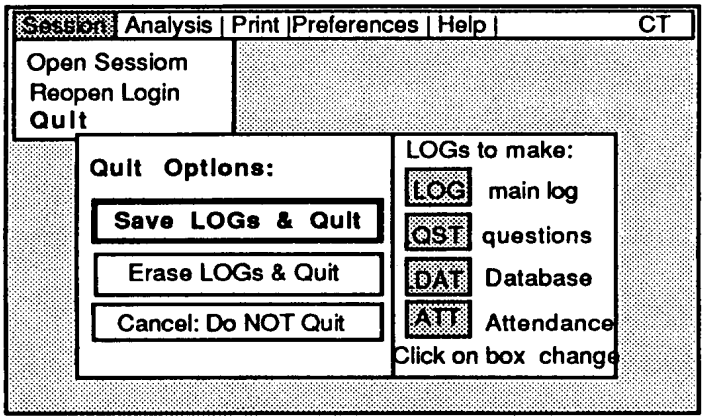


fig. 4C

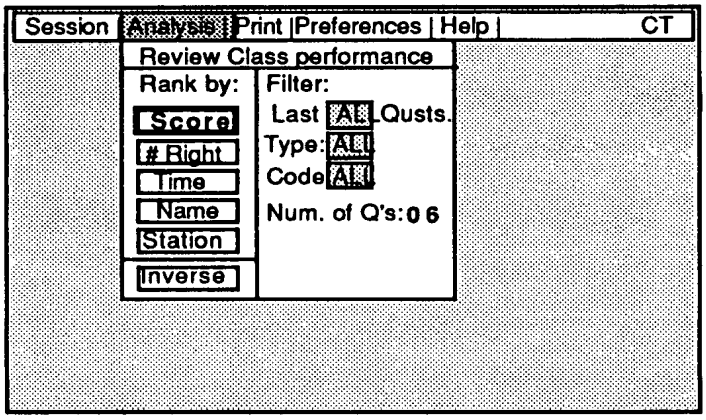


fig. 4D

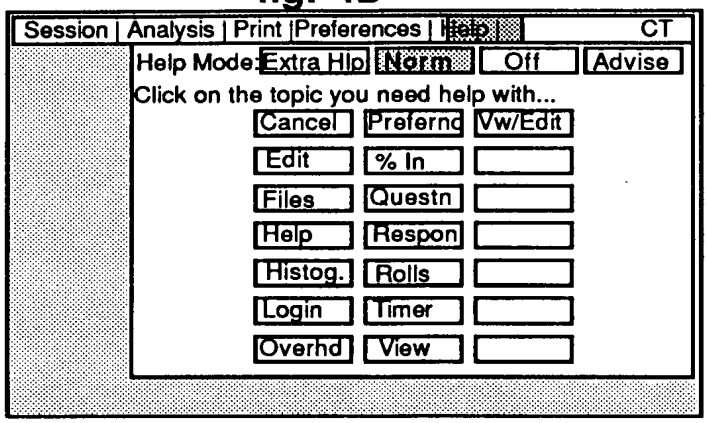


fig. 4E

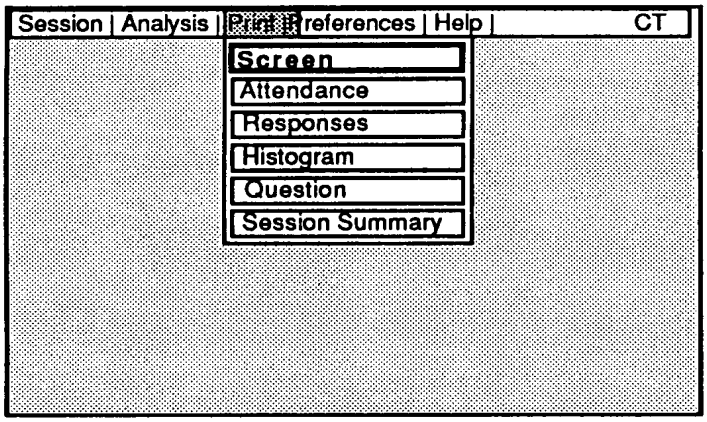


fig. 4F

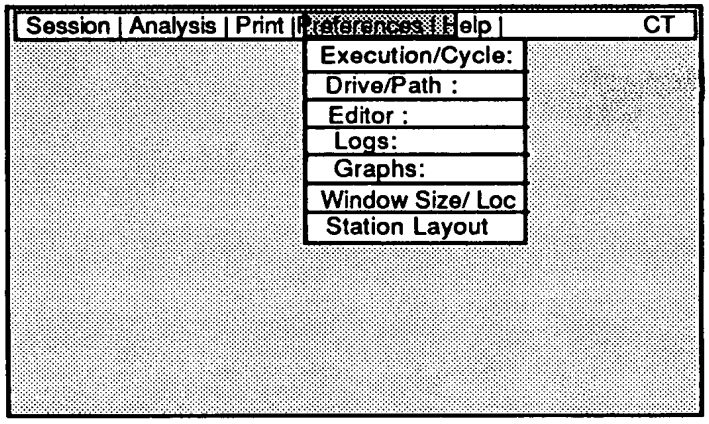


fig. 4G

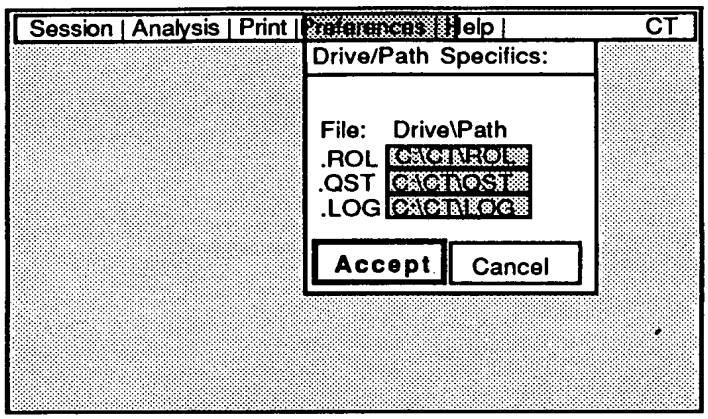


fig. 4H

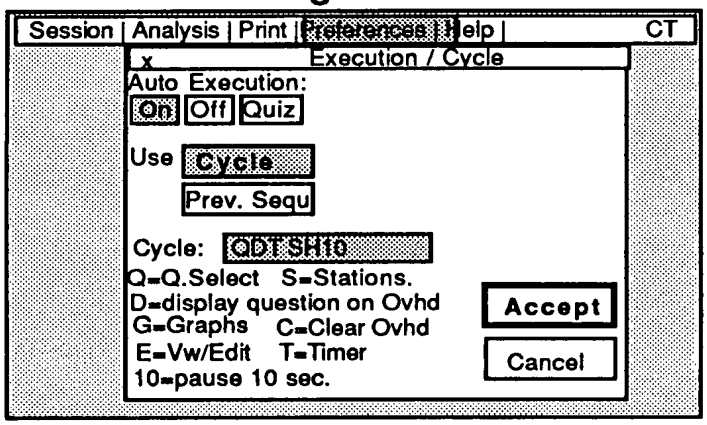


fig. 4I

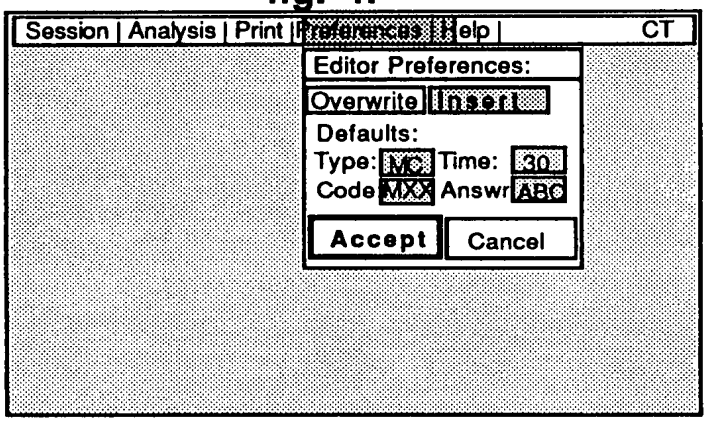


fig. 4J

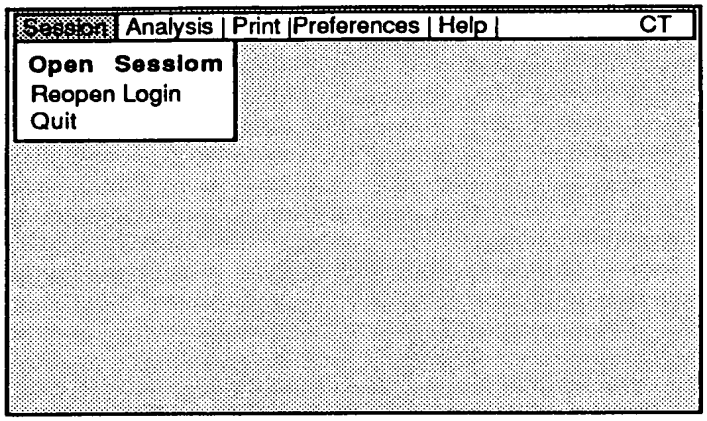


fig. 4K

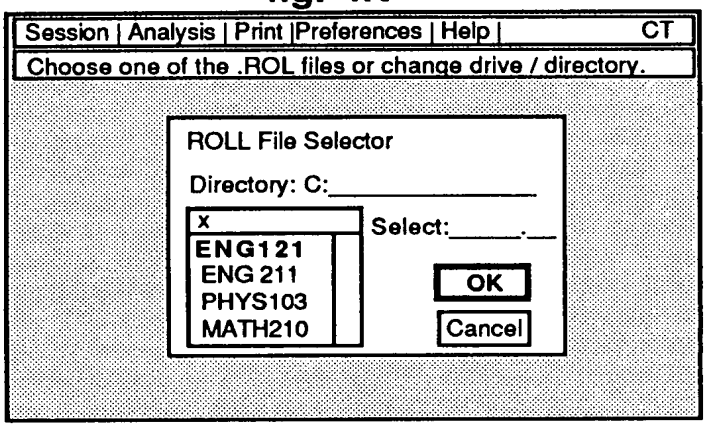


fig. 4L

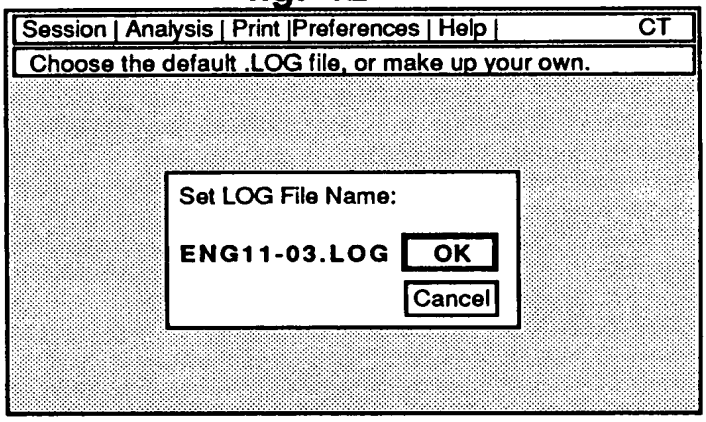


fig. 4M

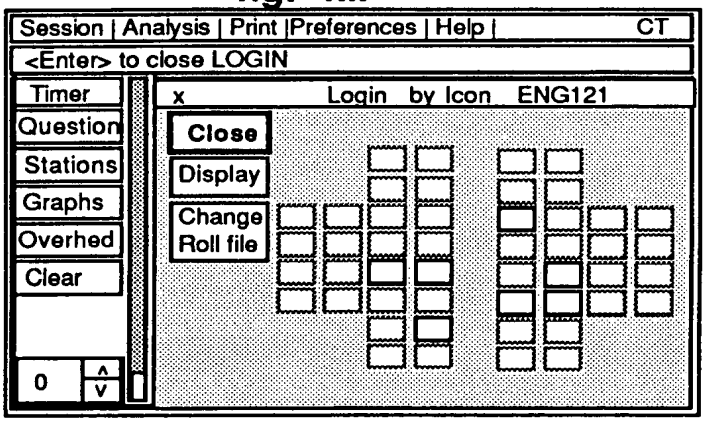


fig. 4N

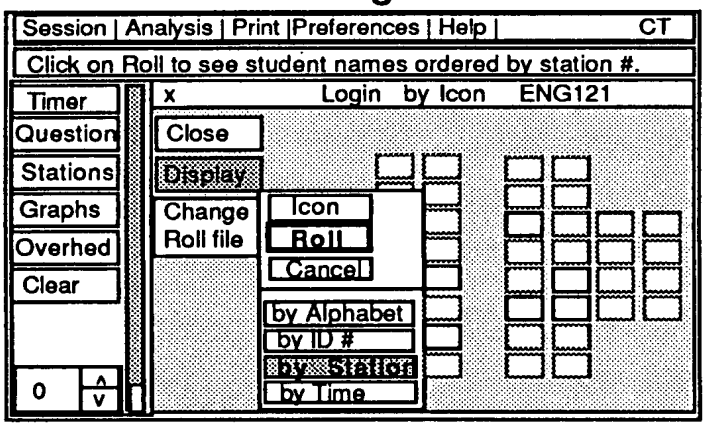


fig. 4O

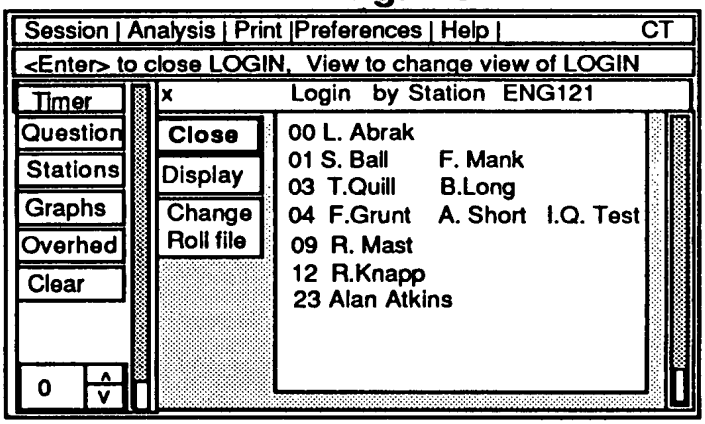


fig. 4O'

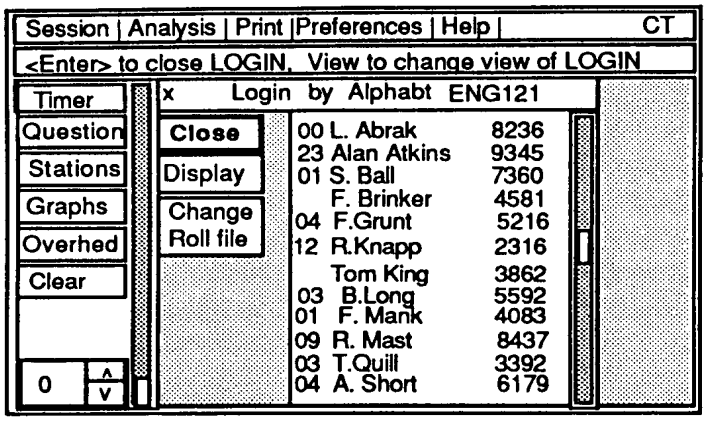


fig. 4P

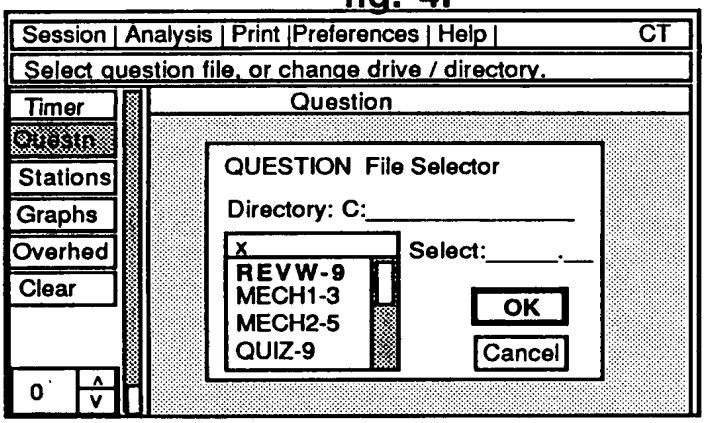


fig. 4Q

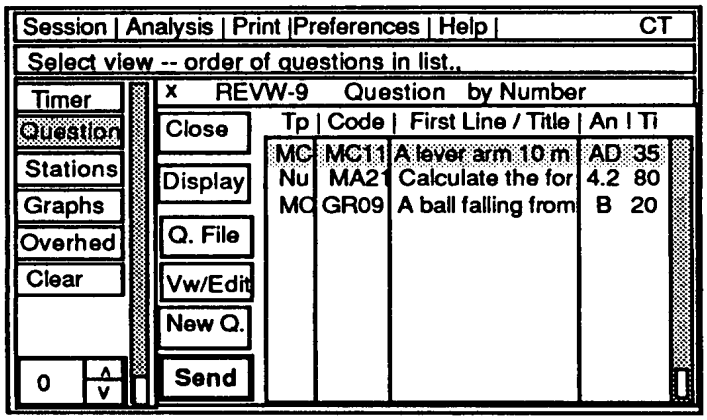


fig. 4R

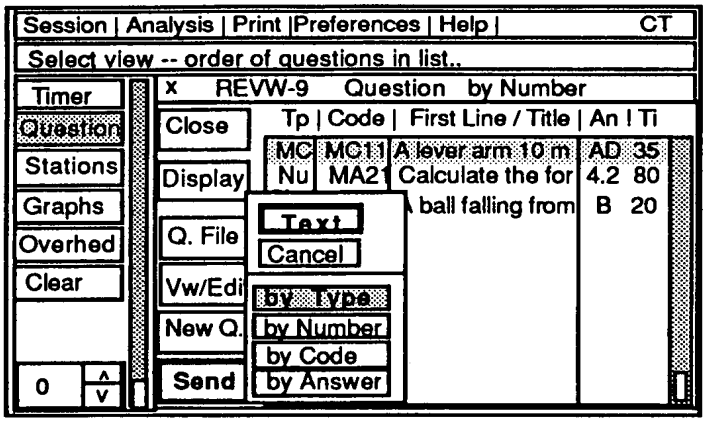


fig. 4S

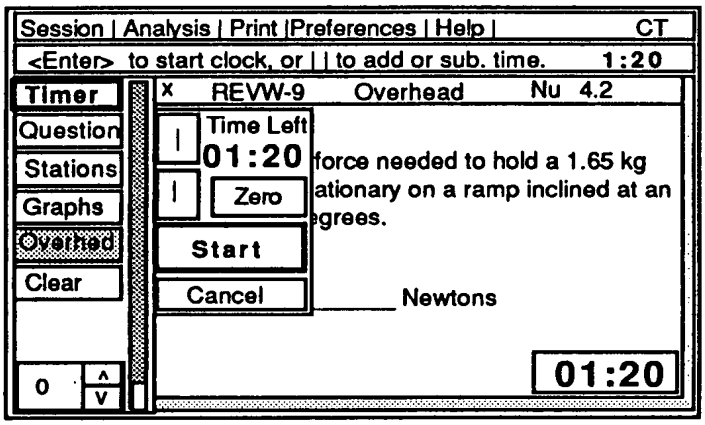


fig. 4T

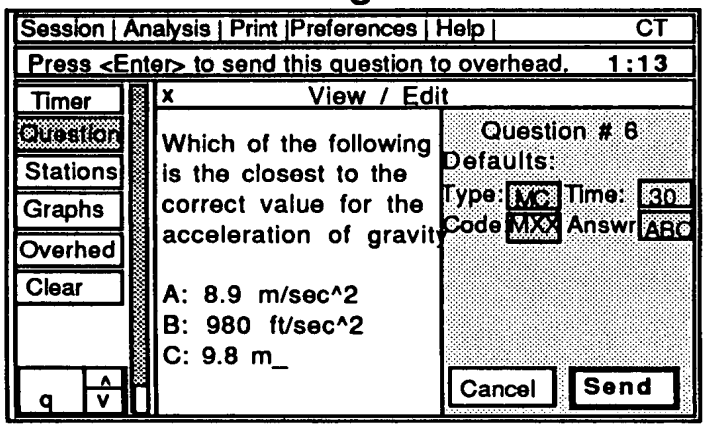


fig. 4U

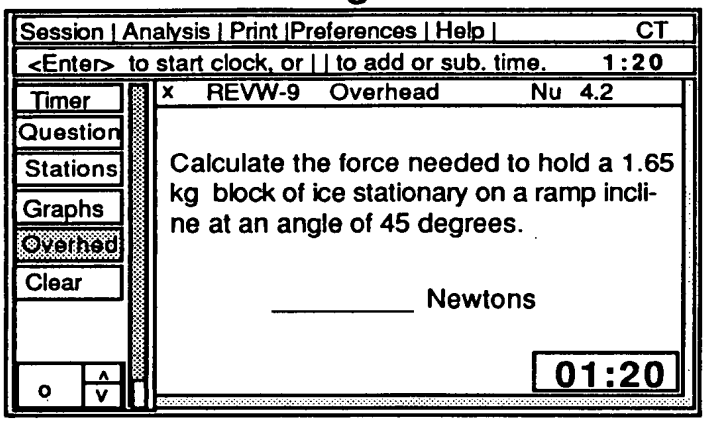


fig. 4V

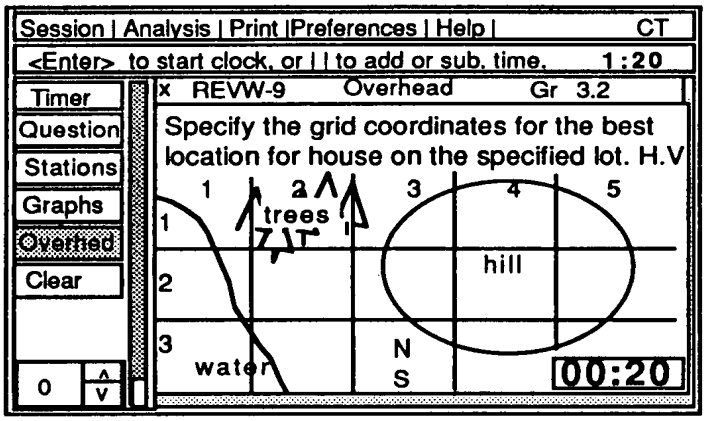


fig. 4W

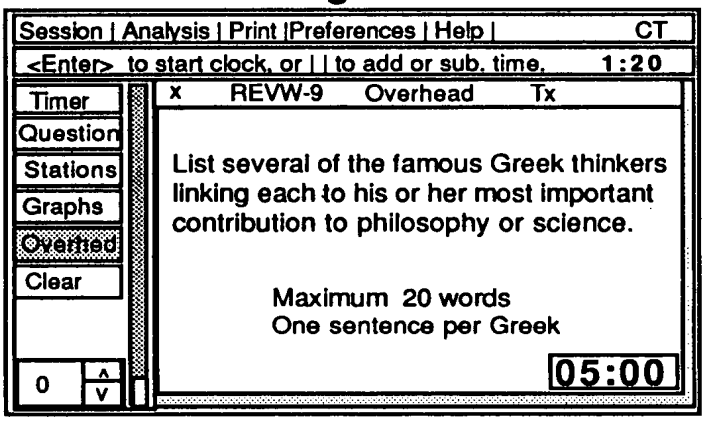


fig. 4X

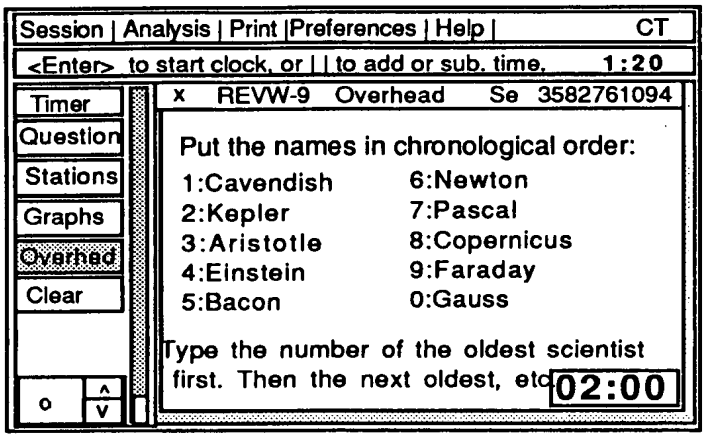


fig. 4Y

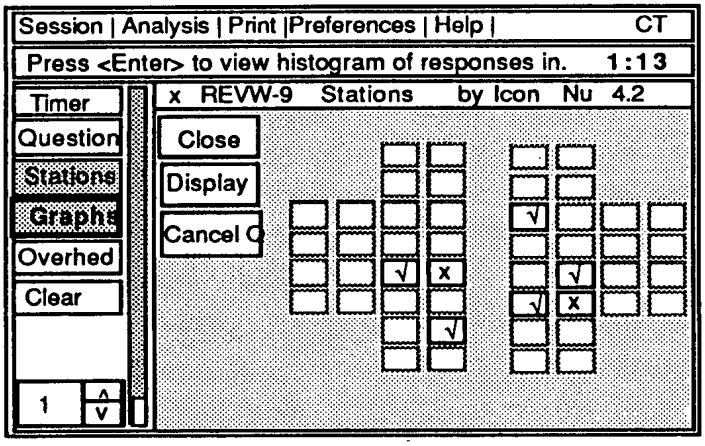


fig. 4Z

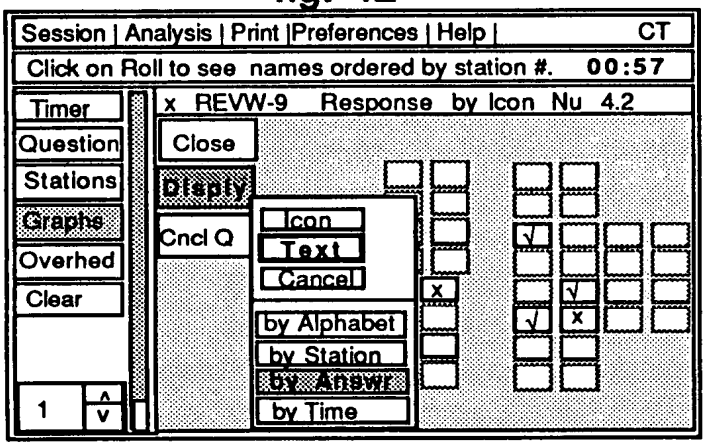


fig. 4AA

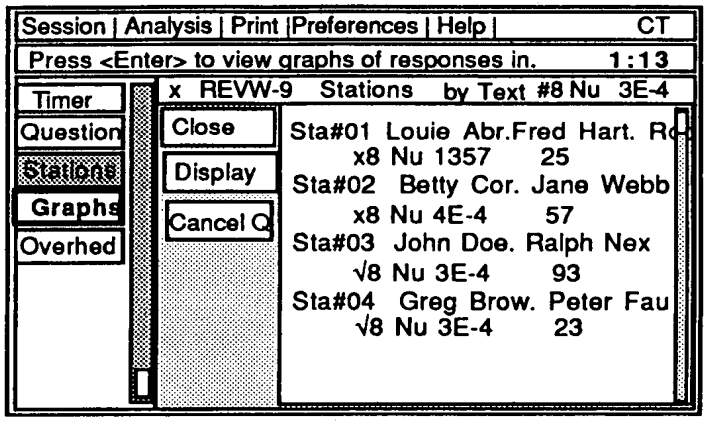


fig. 4BB

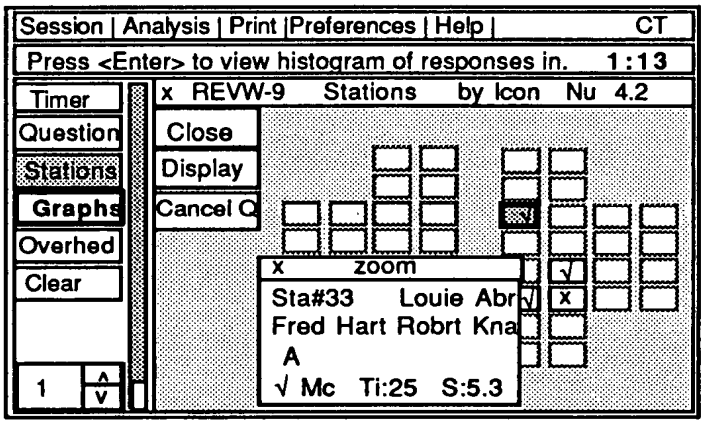


fig. 4CC

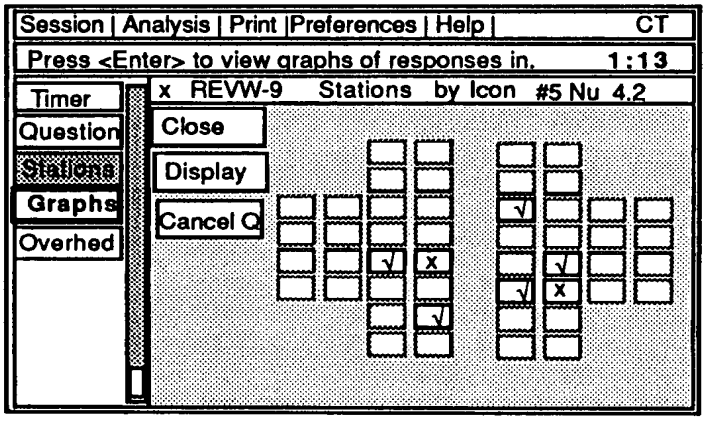


fig. 4DD

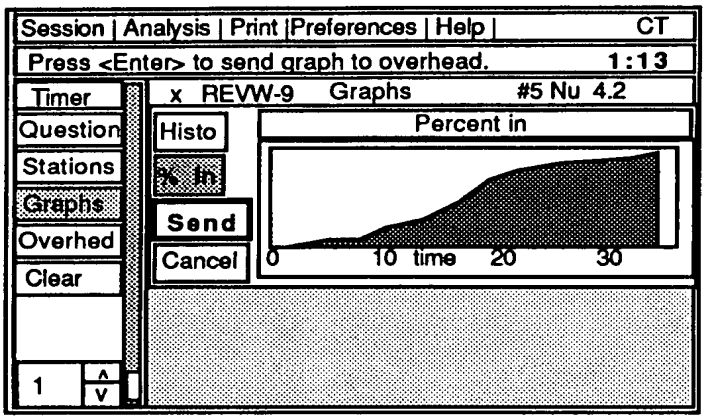
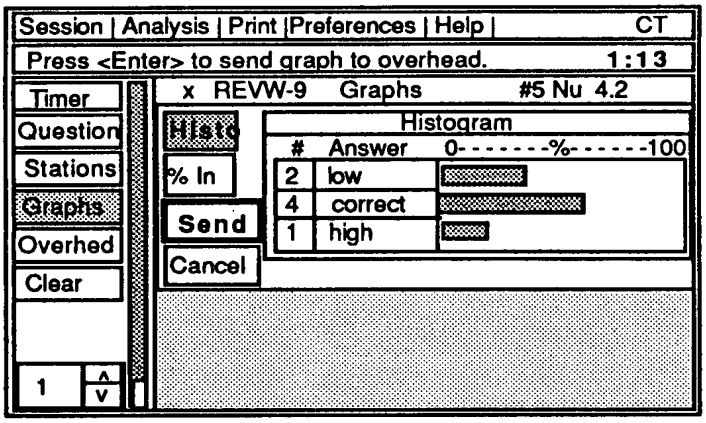


fig. 4EE



Histogram of Class Response
Number of Students
0
1
2
3
4
5
6
>6
3-6
2
0
Number out of Order

Figure 5A

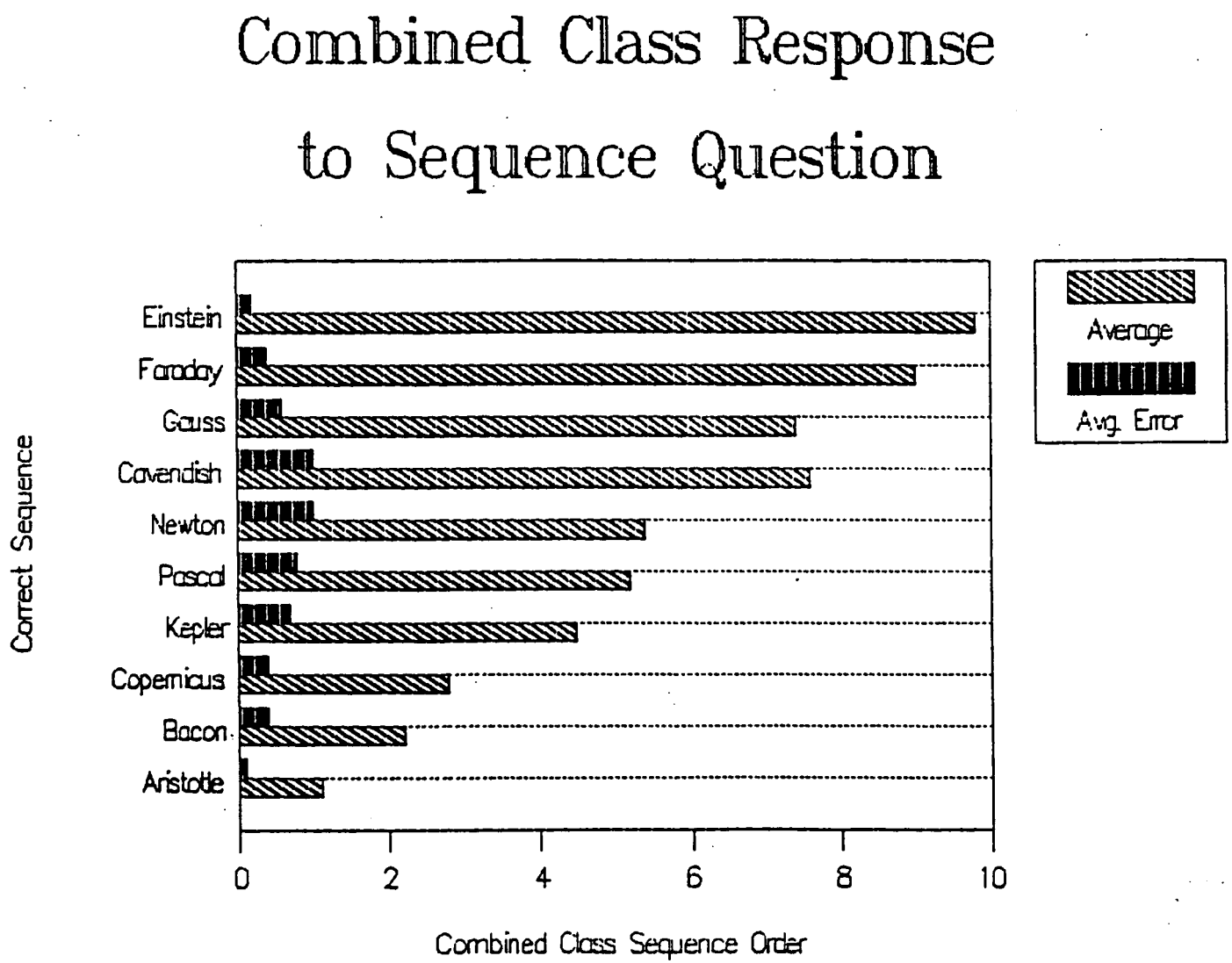

Combined Class Response
to Sequence Question
Correct Sequence
Einstein
Faraday
Gauss
Cavendish
Newton
Pascal
Kepler
Copernicus
Bacon
Aristotle
0
2
4
6
8
10
Combined Class Sequence Order
Average
Avg. Error

Figure 5B